AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

28. Cancel Claim 28.

29. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the heat exchange fins ~~(45,46)~~ extend from the working body member ~~(5)~~ in a staggered formation for forming the circuitous exhaust gas passageway ~~(33)~~.

30. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the heat exchange fins ~~(45,46)~~ are parallel or inclined to each other.

31. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which a cover ~~(30)~~ is provided around the working body member ~~(5)~~ adjacent the heat exchange fins ~~(45,46)~~ for defining with the working body member ~~(5)~~ and the heat exchange fins ~~(45,46)~~, the exhaust gas passageway ~~(33)~~.

32. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the heat exchange fins ~~(45,46)~~ extend on respective opposite sides of the working body member ~~(5)~~ for defining a pair of passageways ~~(33)~~ extending ~~on both sides~~ one on each side of the working body member ~~(5)~~.

33. (Currently amended) A heating device as claimed in Claim 32 ~~characterised in that~~ in which the respective passageways ~~(33)~~ merge adjacent the exhaust gas port ~~(15)~~ and adjacent the exhaust gas outlet ~~(34)~~.

34. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the main housing ~~(4)~~ is an elongated main housing defining an elongated combustion chamber ~~(6)~~ extending from an upstream end ~~(7)~~ to a downstream end ~~(8)~~, the exhaust gas port ~~(15)~~ being located adjacent the downstream end ~~(8)~~, and the heat exchange fins ~~(45,46)~~ being located on the working body member ~~(5)~~ adjacent the downstream end ~~(8)~~ of the main housing ~~(4)~~.

35. (Currently amended) A heating device as claimed in Claim 34 ~~characterised in that~~ in which the working body member ~~(5)~~ extends longitudinally along the main housing ~~(4)~~ from the upstream end ~~(7)~~ to the downstream end ~~(8)~~ thereof, and ~~preferably~~[[,]] a portion ~~(25)~~ of the working body member ~~(5)~~ extends in a downstream direction beyond the downstream end ~~(8)~~ of the main housing ~~(4)~~, and the heat exchange fins ~~(45,46)~~ are located adjacent the portion ~~(25)~~ of the working body member ~~(5)~~ extending downstream beyond the working body member ~~(5)~~.

36. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the working body member ~~(5)~~ defines ~~a~~ an elongated heating chamber ~~(20)~~ extending between an upstream end and a downstream end for receiving and melting hot melt

glue therein, and a dispensing nozzle ~~(25)~~ extends from the working body member ~~(5)~~ at the downstream end thereof communicating with the heating chamber ~~(20)~~ for receiving and dispensing melted glue therefrom[[,]]. ~~and preferably, the heating chamber (20) is an elongated heating chamber (20) extending between an upstream end (21) and a downstream end (22), the dispensing nozzle (25) extending in a generally downstream direction from the downstream end (22) of the working body member (5).~~

37. (Currently amended) A heating device as claimed in Claim 36 ~~characterised in that~~ in which the heat exchange fins ~~(45,46)~~ are located adjacent the dispensing nozzle ~~(25)~~[[,]]. ~~and preferably, the heat exchange fins (45,46) extend transversely from the dispensing nozzle (25) on respective opposite sides thereof in an upstream/downstream direction relative to the heating chamber (20).~~

38. (Currently amended) A heating device as claimed in Claim 36 ~~characterised in that~~ in which the dispensing nozzle ~~(25)~~ extends axially from the working body member ~~(5)~~ relative to the heating chamber. ~~(20), and preferably, the dispensing nozzle (25) extends co-axially with the heating chamber (20) from the working body member (5).~~

39. (Currently amended) A heating device as claimed in Claim 36 ~~characterised in that~~ in which a glue receiving inlet ~~(23)~~ is provided at the upstream end ~~(21)~~ of the heating chamber ~~(20)~~ for receiving glue into the heating chamber ~~(20)~~ in an elongated stick form[[,]].

~~and preferably, the glue receiving inlet (23) receives the glue stick co-axially with the heating chamber (20).~~

40. (Currently amended) A heating device as claimed in Claim 36 ~~characterised in that~~ in which the working body member ~~(5)~~ is located relative to the main housing ~~(4)~~ so that the heating chamber ~~(20)~~ and the combustion chamber ~~(6)~~ extend parallel to each other.

41. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which a fuel gas inlet ~~(11)~~ is located at the upstream end ~~(7)~~ of the combustion chamber ~~(6)~~ for receiving fuel gas for converting to heat in the combustion chamber ~~(6)~~.

42. (Currently amended) A heating device as claimed in ~~any~~ Claim ~~28 characterised in that~~ 48 in which a gas catalytic combustion element ~~(10)~~ is located in the combustion chamber ~~(6)~~ for converting fuel gas to heat.

43. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the heat exchange fins ~~(45,46)~~ are adapted for reducing the temperature of the exhaust gases exiting the exhaust gas outlet ~~(34)~~ to a temperature approximately similar to the temperature of the working body member.

44. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the heat exchange fins ~~(45,46)~~ are adapted for reducing the temperature of the

exhaust gases exiting the exhaust gas outlet ~~(34)~~ to a temperature approaching the temperature of the working body member.

45. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the heat exchange fins ~~(45,46)~~ are adapted for reducing the temperature of the exhaust gases exiting the exhaust gas outlet ~~(34)~~ to a temperature just slightly above the temperature of the working body member adjacent the heat exchange fins ~~(45, 46)~~.

46. (Currently amended) A heating device as claimed in Claim ~~28 characterised in that~~ 48 in which the heat exchange fins ~~(45,46)~~ are adapted for reducing the temperature of the exhaust gases exiting the exhaust gas outlet ~~(34)~~ to a temperature not greater than 50°C above the temperature of the working body member adjacent the heat exchange fins. ~~(45, 46), and preferably, the heat exchange fins (45,46) are adapted for reducing the temperature of the exhaust gases exiting the exhaust gas outlet (34) to a temperature not greater than 15°C above the temperature of the working body member adjacent the heat exchange fins (45, 46), and advantageously, the heat exchange fins (45,46) are adapted for reducing the temperature of the exhaust gases exiting the exhaust gas outlet (34) to a temperature not greater than 5°C above the temperature of the working body member adjacent the heat exchange fins (45, 46).~~

Cancel Claim 47.

Please add the following new claims:

48. (New) A heating device comprising:

a main housing defining a combustion chamber within which fuel gas is converted to heat for heating the main housing,

an exhaust gas port from the combustion chamber for exhausting burnt gases therefrom,

a working body member of heat conductive material in heat conducting engagement with the main housing for receiving heat therefrom,

a passageway extending from the exhaust gas port to an exhaust gas outlet past the working body member for accommodating exhaust gases from the exhaust gas port to the exhaust gas outlet for transferring heat from the exhaust gases to the working body member, and

a heat exchange means comprising a plurality of spaced apart heat exchange fins extending from the working body member into the passageway for transferring heat from the exhaust gases to the working body member for reducing the temperature at which the exhaust gases exit from the heating device through the exhaust gas outlet, the heat exchange fins defining a circuitous exhaust gas passageway through which the exhaust gases pass between the exhaust gas port and the exhaust gas outlet.

49. (New) A heating device as claimed in Claim 37 in which the heat exchange fins extend transversely from the dispensing nozzle on respective opposite sides thereof in an upstream/downstream direction relative to the heating chamber.

50. (New) A glue gun comprising:

a main housing defining a combustion chamber within which fuel gas is converted to heat for heating the main housing,

an exhaust gas port from the combustion chamber for exhausting burnt gases therefrom,

a working body member of heat conductive material in heat conducting engagement with the main housing for receiving heat therefrom, the working body member defining an elongated heating chamber for receiving and melting hot melt glue therein,

a dispensing nozzle extending from the working body member communicating with the heating chamber for receiving and dispensing melted glue therefrom,

a passageway extending from the exhaust gas port to an exhaust gas outlet past the working body member for accommodating exhaust gases from the exhaust gas port to the exhaust gas outlet for transferring heat from the exhaust gases to the working body member, and

a heat exchange means comprising a plurality of spaced apart heat exchange fins extending from the working body member into the passageway for transferring heat from the exhaust gases to the working body member for reducing the temperature at which the exhaust gases exit from the heating device through the exhaust gas outlet, the heat exchange fins defining a circuitous exhaust gas passageway through which the exhaust gases pass between the exhaust gas port and the exhaust gas outlet.